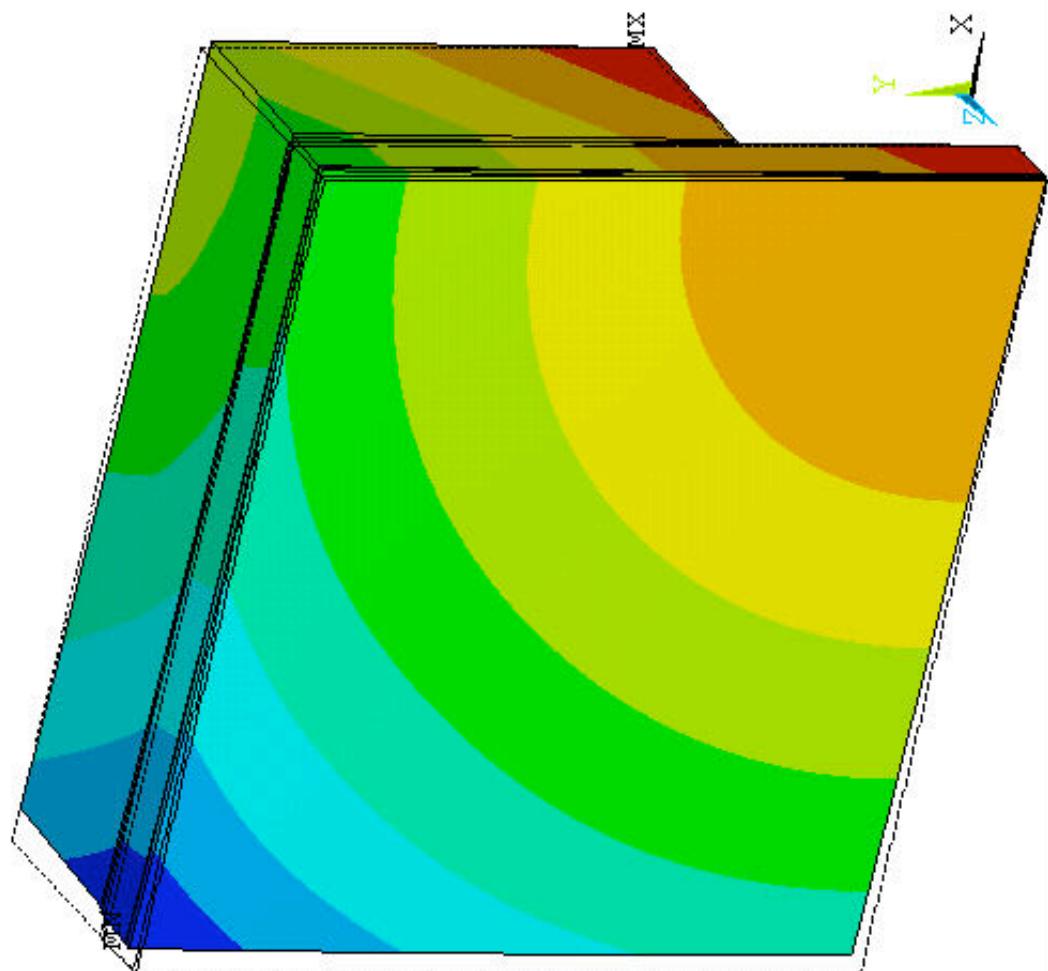


ANSYS

MAY 29 2003
08:26:23

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
UZ (AVG)
RSYS=0
DMX = .033338
SMN =-.029792



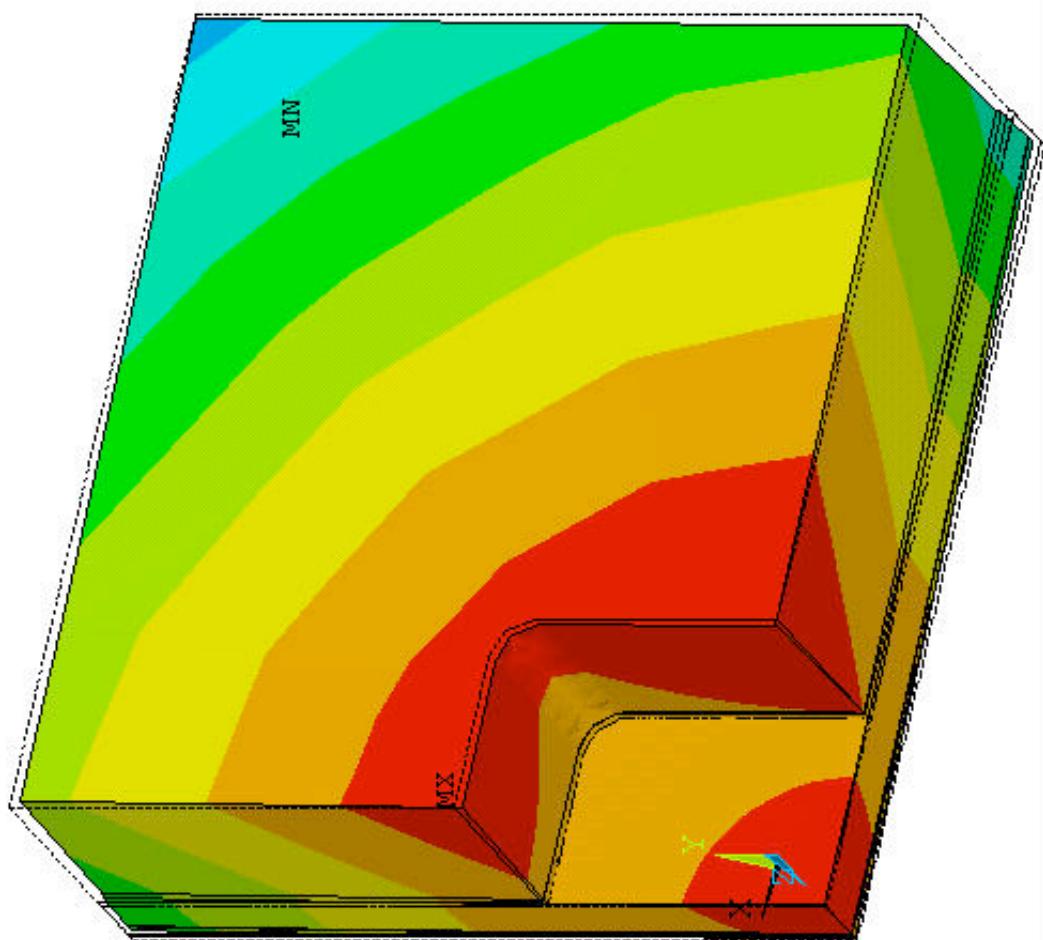
ANSYS
MAY 29 2003
08:26:23
1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
UZ (AVG)
RSYS=0
DMX = .033338
SMN =-.029792
DISPLACEMENT CONTOURS
X
Y
Z
.029792 -.023172 -.016551 -.019861 -.013241 -.009931 -.00662 -.00331 0

AlN/Moly SNAP CCD Analysis, Quarter Symmetry w/Fillets, Z-displacement (mm)

ANSYS

MAY 29 2003
08:27:19

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
UZ (AVG)
RSYS=0
DMX = .033338
SMN =-.029792



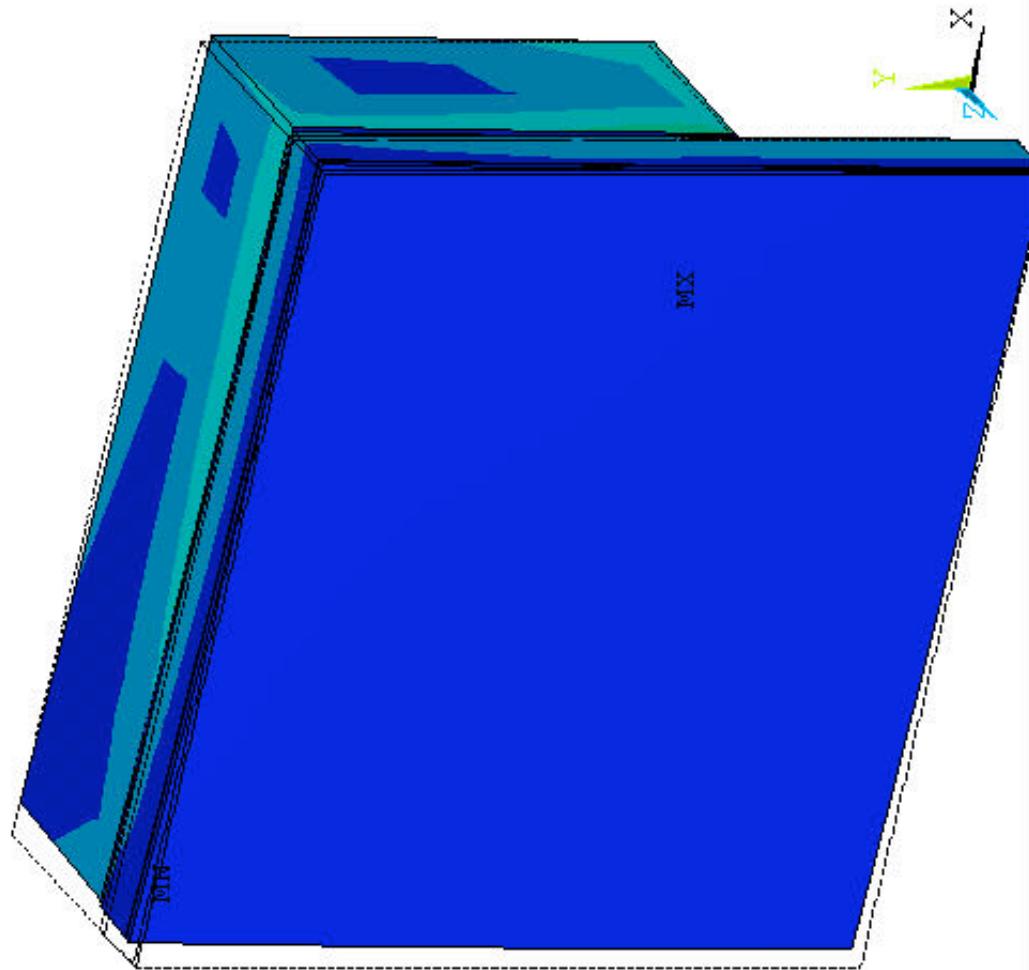
- .029792 -.023172 -.016551 -.019861 -.013241 -.00662 -.00331 0

AlN/Moly SNAP CCD Analysis, Quarter Symmetry w/Fillets, Z-displacement (mm)

ANSYS

MAY 29 2003
08:29:55

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .033338
SMN = .212212
SMX =245.682

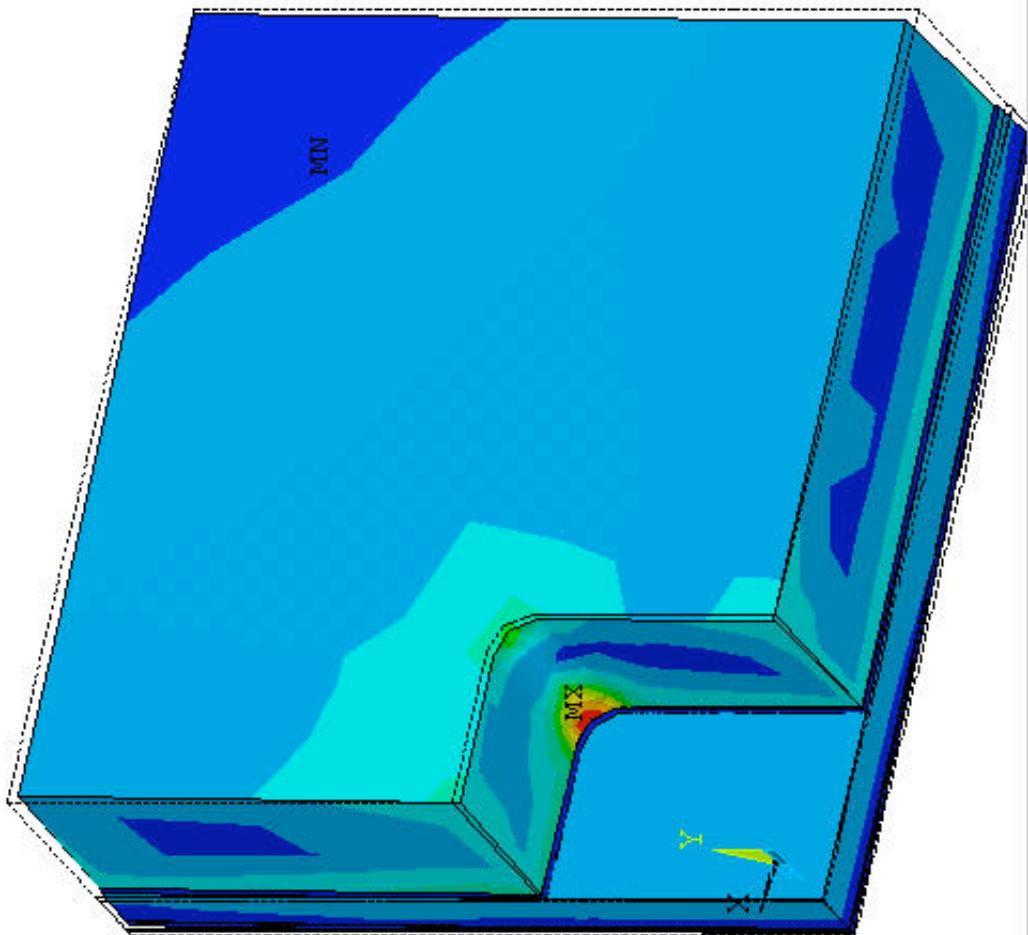


AlN/Moly SNAP CCD Analysis, Quarter Symmetry w/Fillets, Von Mises Stress (MPa)

ANSYS

MAY 29 2003
08:30:17

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .033338
SMN = .212212
SMX =245.682

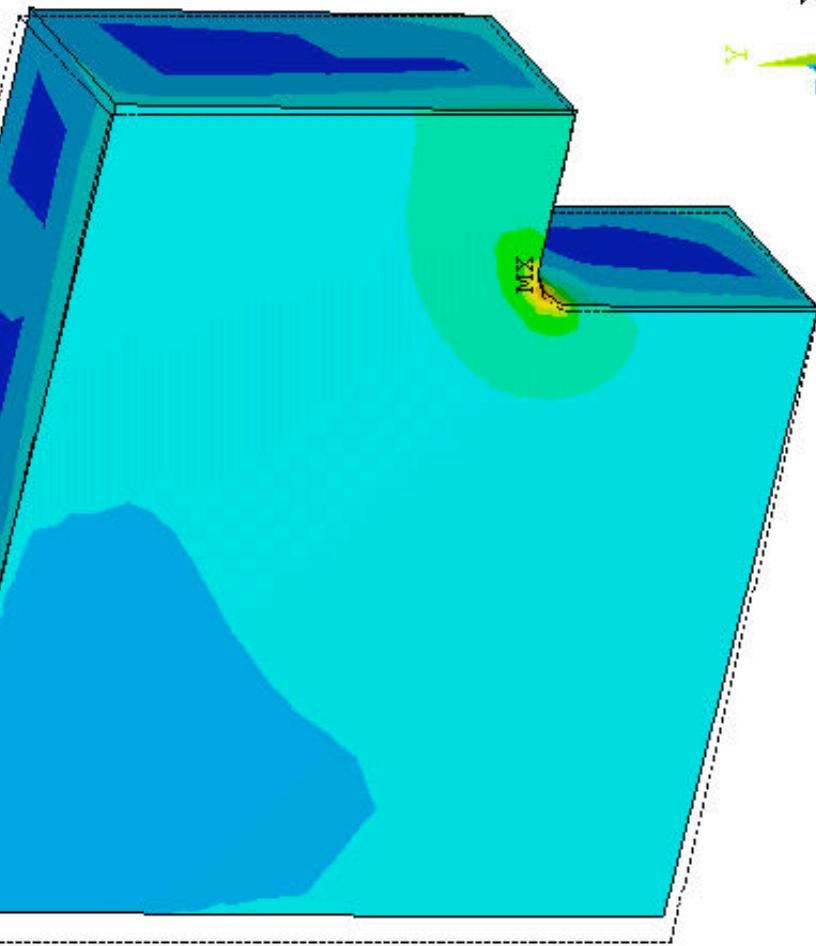


.212212 27.487 54.761 82.036 109.31 136.585 163.859 191.134 218.408 245.682
AlN/Moly SNAP CCD Analysis, Quarter Symmetry w/Fillets, Von Mises Stress (MPa)

ANSYS

MAY 29 2003
08:31:59

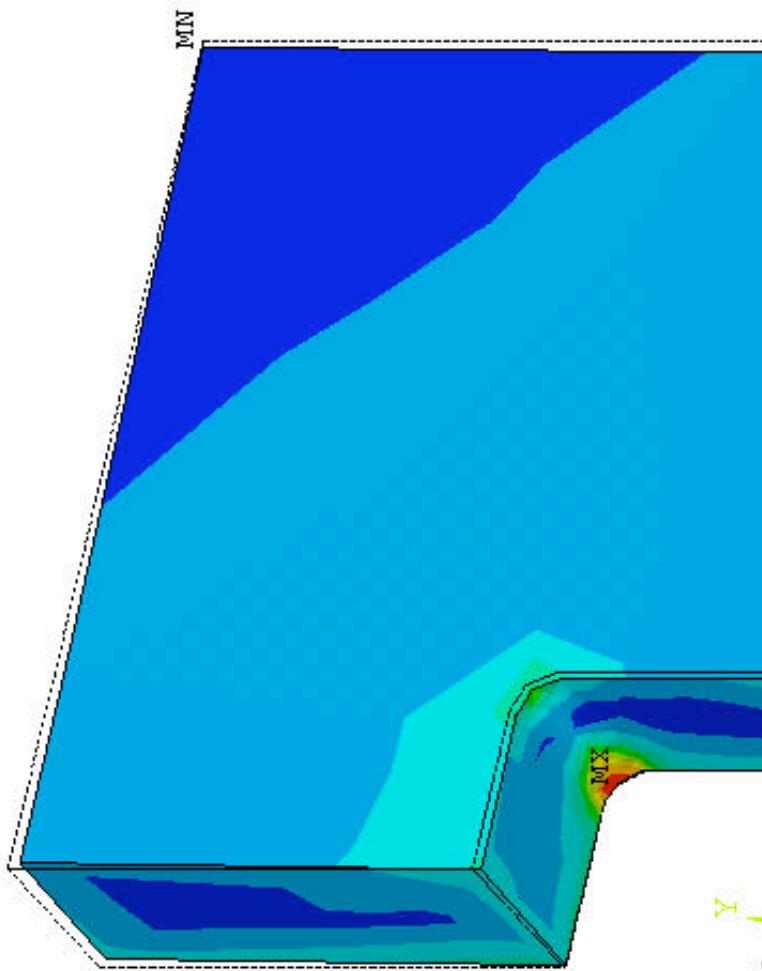
1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .033338
SMN =6.828
SMX =245.682
MN



ANSYS

MAY 29 2003
08:32:21

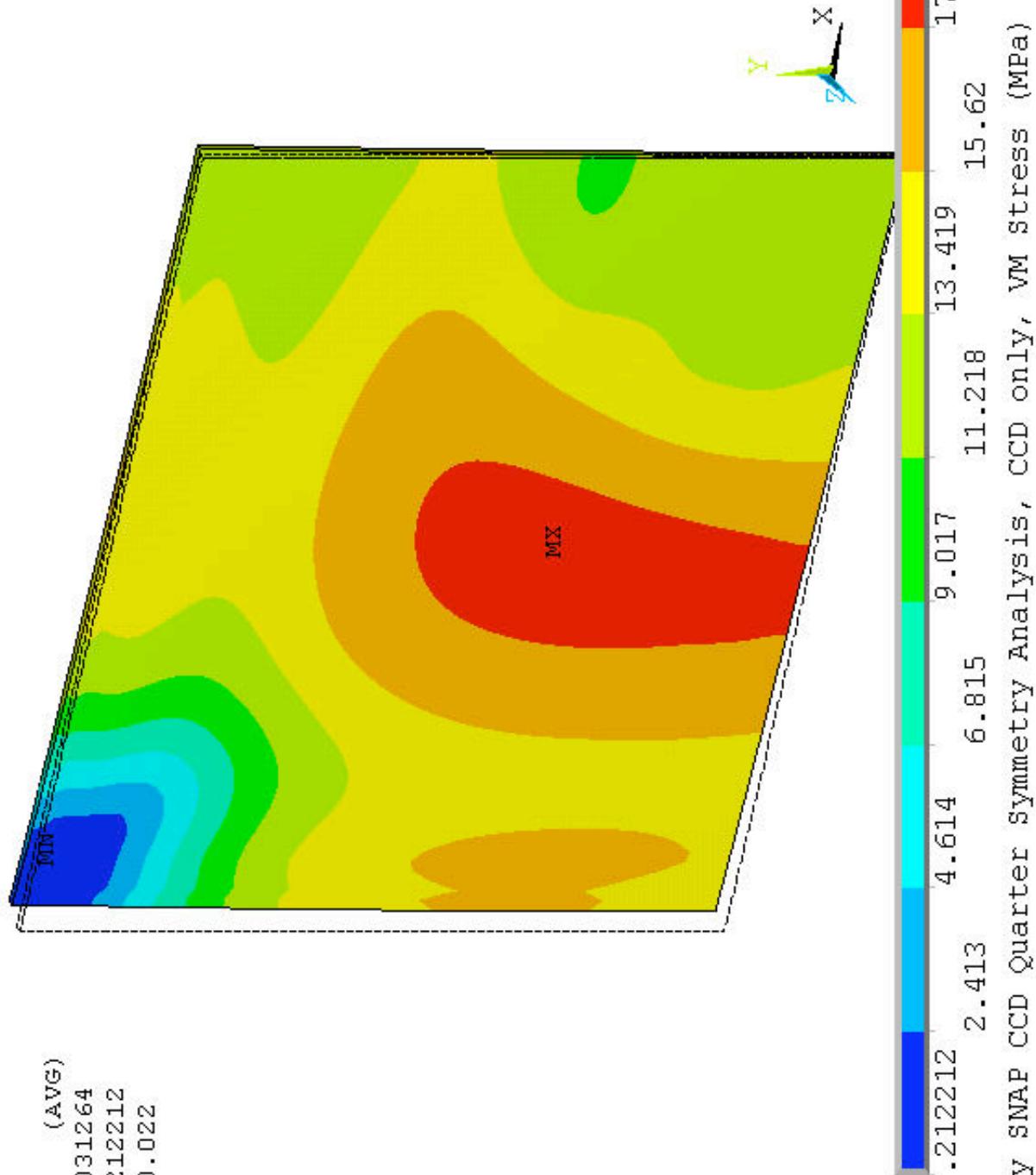
1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .033338
SMN =6.828
SMX =245.682



ANSYS

MAY 29 2003
08:33:55

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .031264
SMN = .212212
SMX =20.022

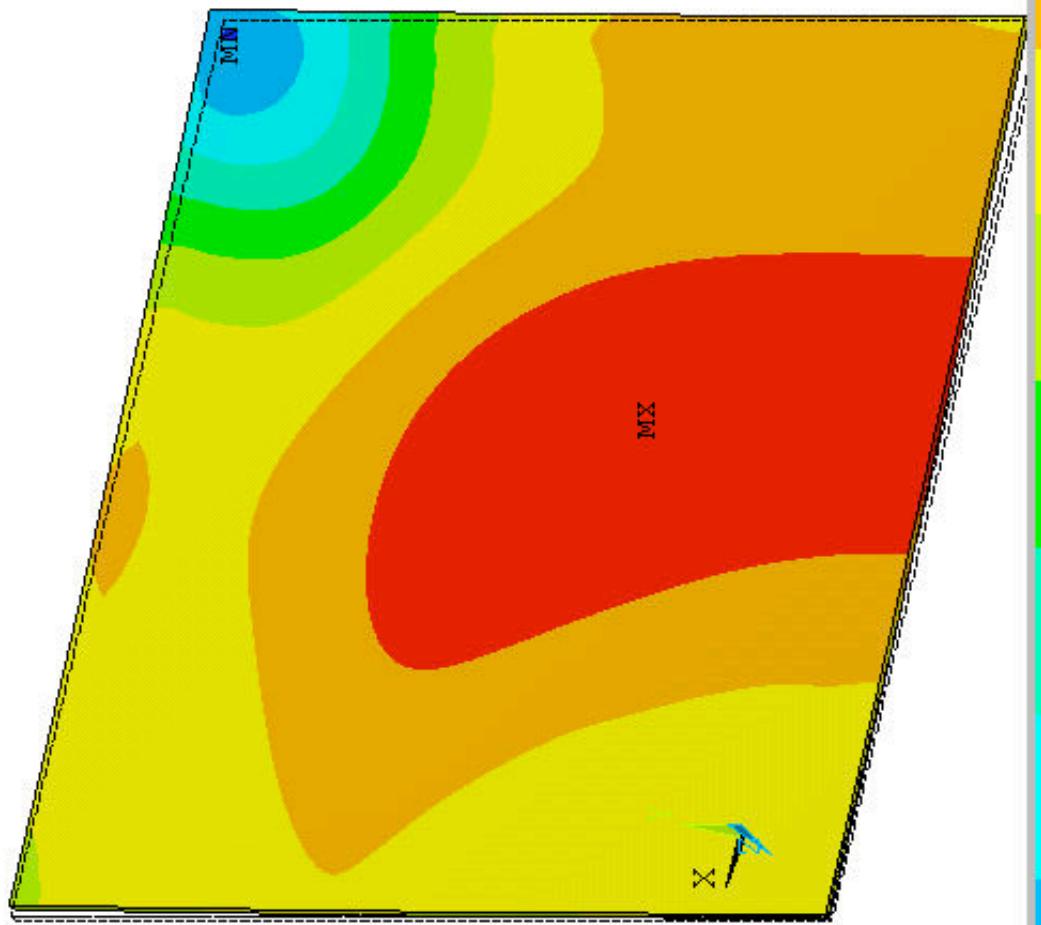


AlN/Moly SNAP CCD Quarter Symmetry Analysis, CCD only, VM Stress (MPa)

ANSYS

MAY 29 2003
08:34:13

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .031264
SMN = .212212
SMX = 20.022

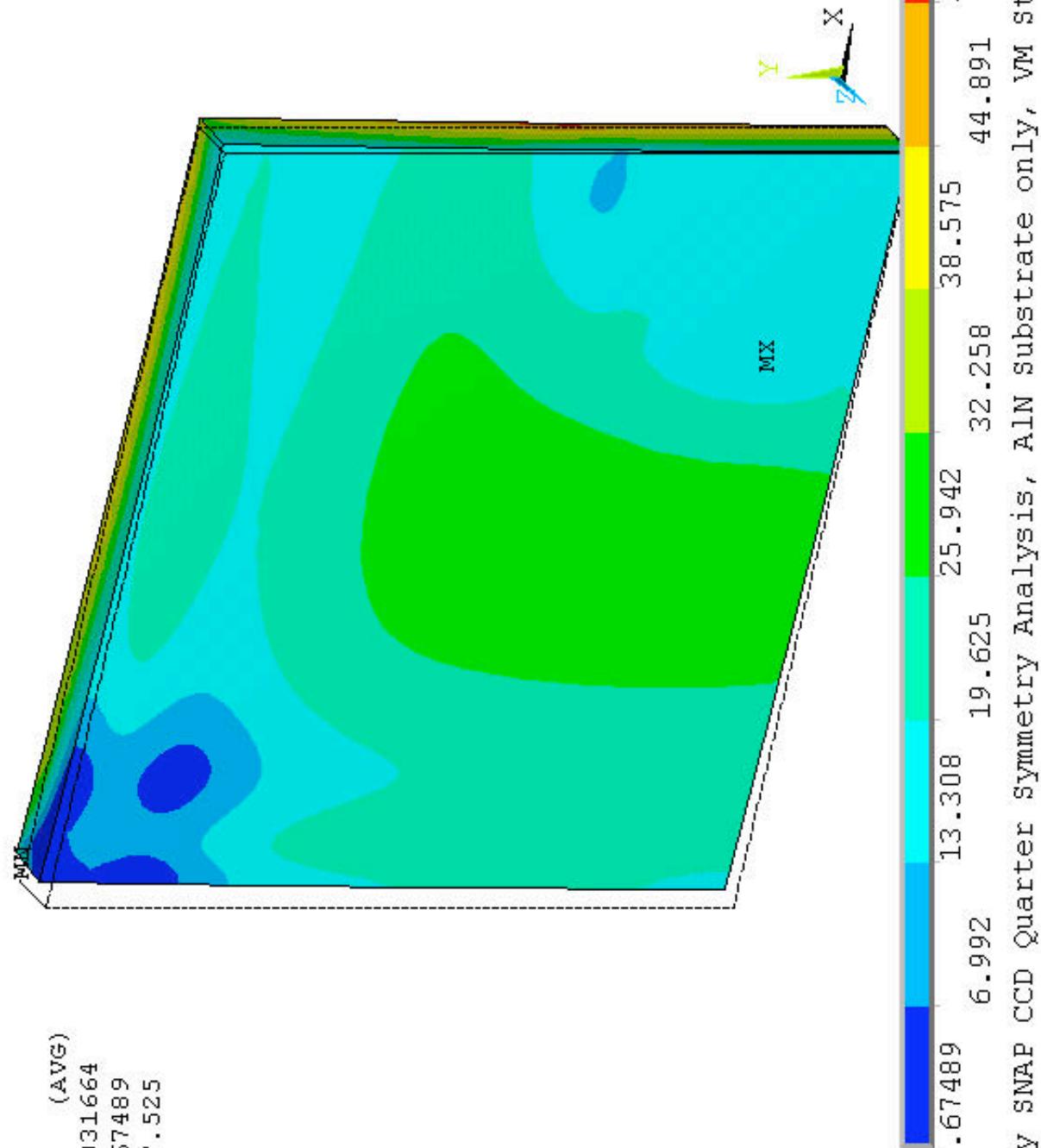


.212212 2.413 4.614 6.815 9.017 11.218 13.419 15.62 17.821 20.022
AlN/Moly SNAP CCD Quarter Symmetry Analysis, CCD only, VM Stress (MPa)

ANSYS

MAY 29 2003
08:35:35

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .031664
SMN = .67489
SMX =57.525

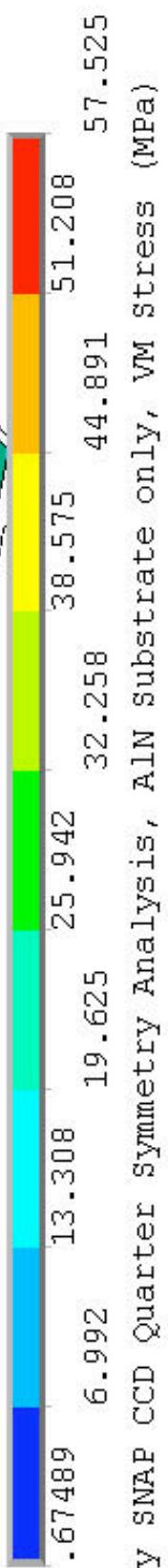
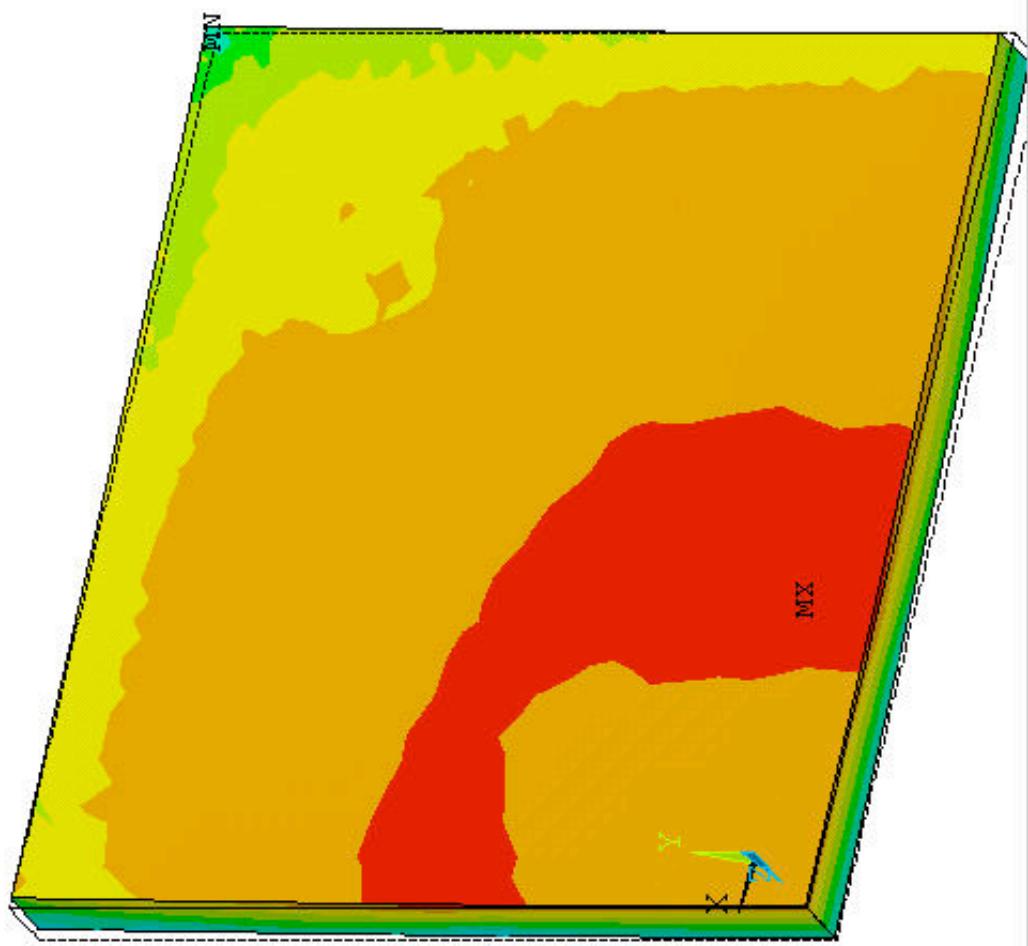


AlN/Moly SNAP CCD Quarter Symmetry Analysis, AlN Substrate only, VM Stress (MPa)

ANSYS

MAY 29 2003
08:35:48

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .031664
SMN = .67489
SMX =57.525

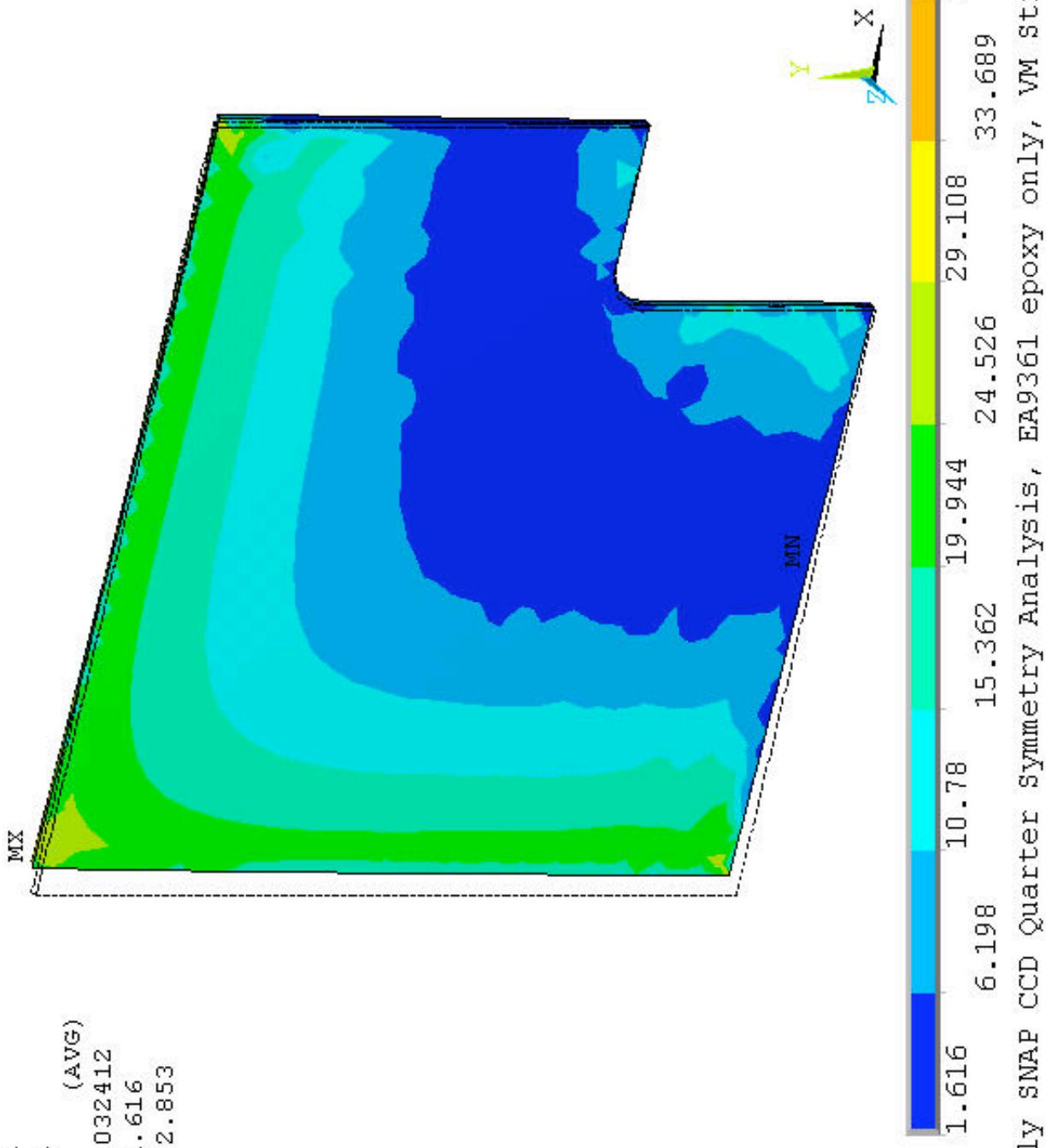


AlN/Moly SNAP CCD Quarter Symmetry Analysis, AlN Substrate only, VM Stress (MPa)

ANSYS

MAY 29 2003
08:36:53

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .032412
SMN =1.616
SMX =42.853

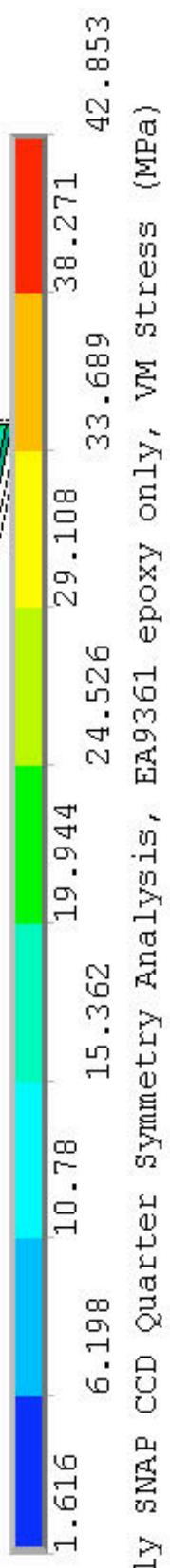
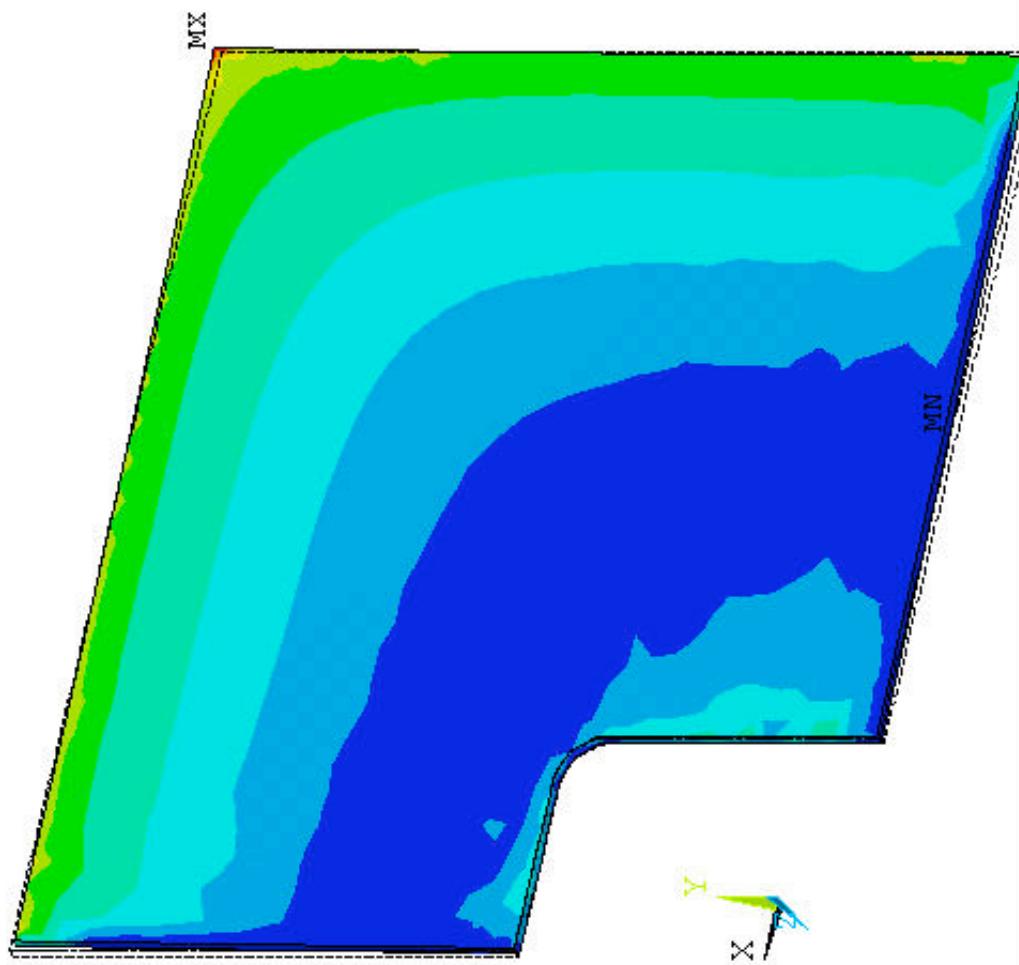


AlN/Moly SNAP CCD Quarter Symmetry Analysis, EA9361 epoxy only, VM stress only (MPa)

ANSYS

MAY 29 2003
08:37:27

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .032412
SMN =1.616
SMX =42.853

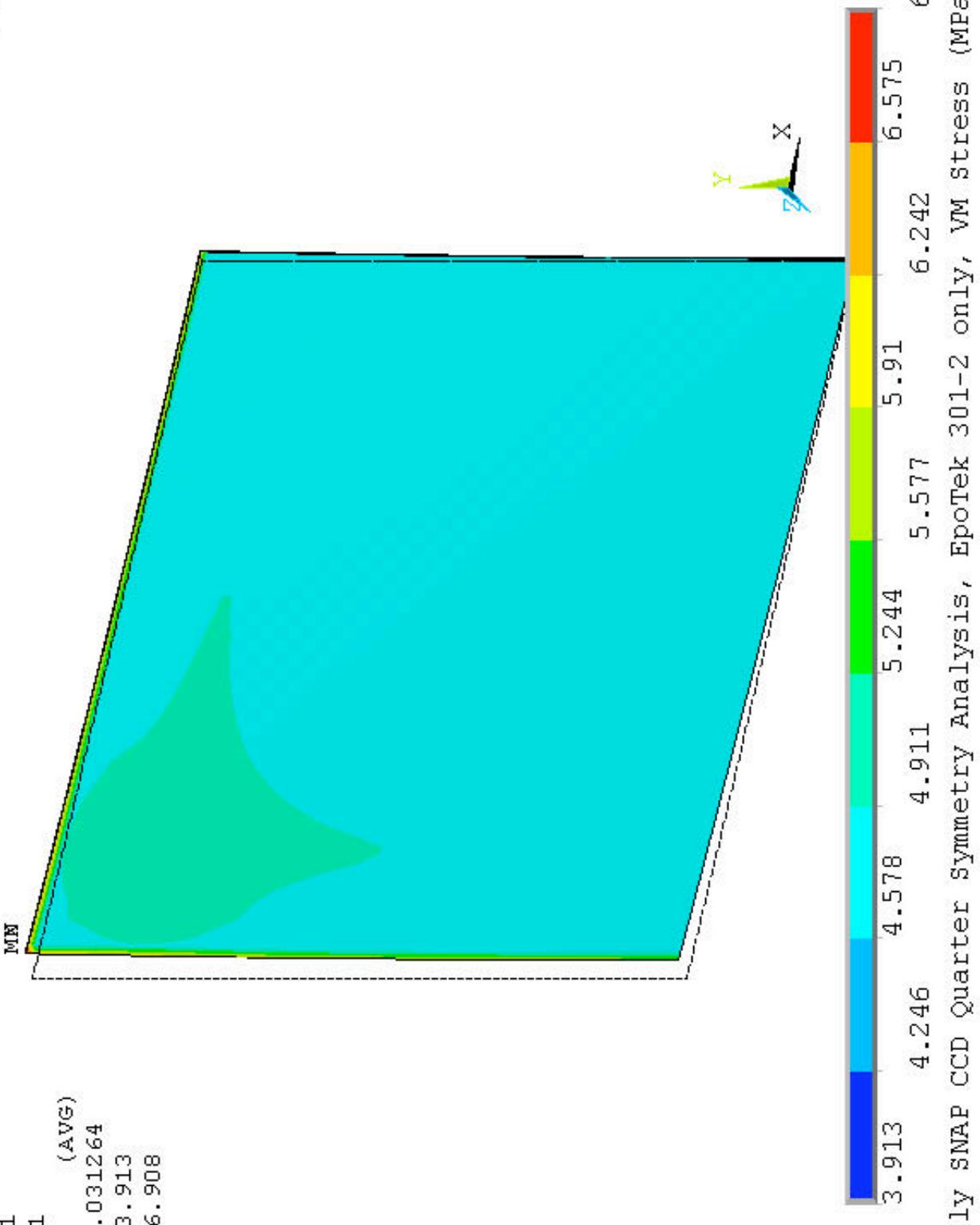


AlN/Moly SNAP CCD Quarter Symmetry Analysis, EA9361 epoxy only, VM stress (MPa)

ANSYS

MAY 29 2003
08:38:52

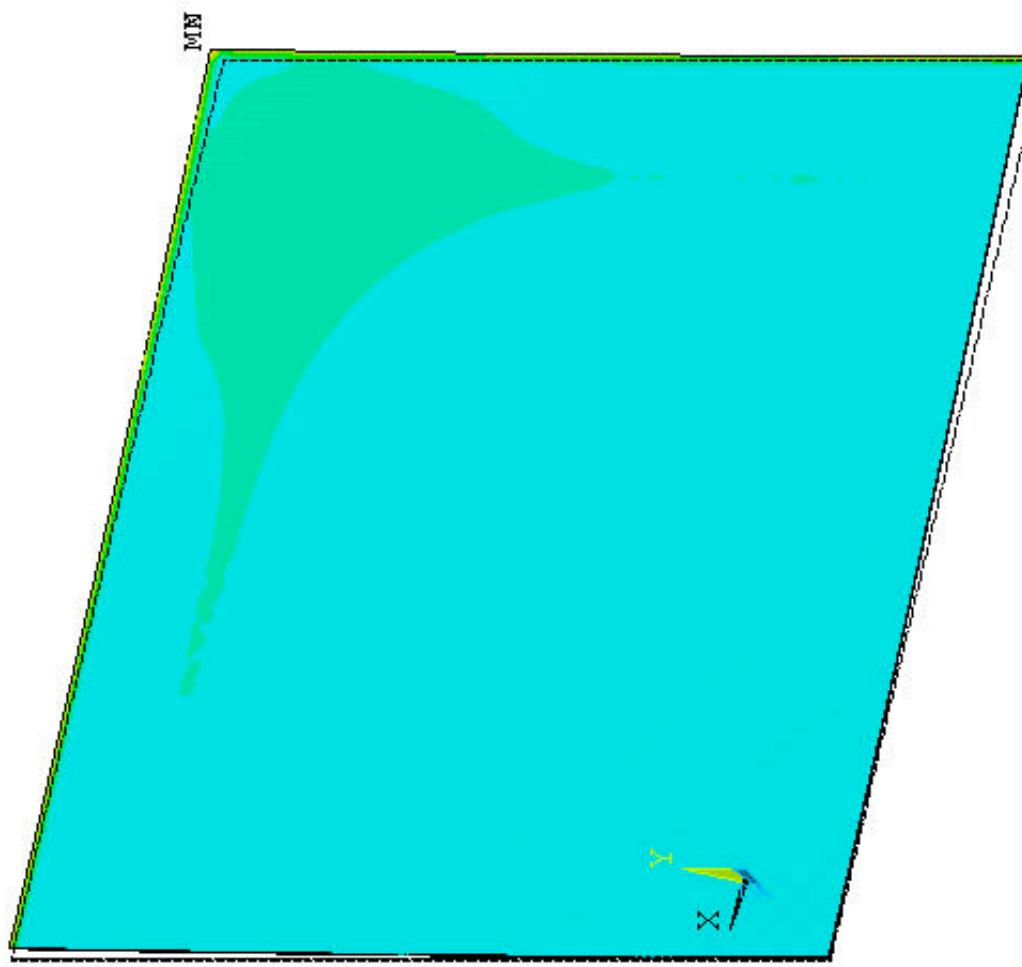
1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .031264
SMN =3.913
SMX =6.908



ANSYS

MAY 29 2003
08:39:09

1 NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SEQV (AVG)
DMX = .031264
SMN =3. 913
SMX =6. 908



3.913 4.246 4.578 4.911 5.244 5.577 5.91 6.242 6.575 6.908
AlN/Moly SNAP CCD Quarter Symmetry Analysis, EpoTek 301-2 only, VM stress (MPa)